

**SECTION 04 50 00
REFRACTORY MASONRY**

RELATED DOCUMENTS

1.01 SECTION 045000 REFRACTORY MASONRY

- A. The "Contract Drawings"; the "Instructions to Bidders and General Conditions, NYCHA Contracts", latest edition; the "Form of Proposal", "Division 1 General Requirements"; the "Amendments to General Conditions"; and all amendments and addenda, apply to the work of this Section.

SUMMARY

- A. The work of this Section includes replacement of firebrick lining for each chute where a new compactor is installed.

PART 2.00 - PRODUCTS

3.01 MATERIALS

- A. Fire bricks shall conform to ASTM C27 medium duty.
- B. Refractory mortar shall be of high temperature wet air setting type. Mortar shall conform to ASTM C-178-47 Super Duty.
- C. Anchors shall be 3/8 inch diameter, fully threaded, 6-1/2 inches long stainless steel such as Rawl-Stud as manufactured by Rawl Plug. Co.

PART 3.00 - EXECUTION

4.01 GENERAL

4.02 REFERENCE STANDARDS

- A. ASTM C27 - Standard Classification of Fireclay and High-Alumina Refractory Brick; 1998 (Reapproved 2022).
- B. Replace existing firebrick lining to match existing in the refuse chute as directed by the Authority. Lay firebrick with refractory mortar. Bond new firebrick to existing common brick, with straps or anchors at every third course. Where backup brick is damaged, replace same to provide a proper base.
- C. The Contractors' responsibility for the replacement of firebrick in the chute shall be limited to the area between the chute supporting steel and six (6) feet above the first floor slab. Quantities more than 20 sq feet shall be paid for as an extra, and if amount is less than 20 square feet, a credit will be taken for the quantity difference based on the unit price in the Form of Proposal.
- D. Where the supporting steel angle of the chute is damaged and/or warped, replace the angle at no additional cost to the Authority. All supporting steel angle exposed (new and existing) shall be sprayed with Cafco "Blaze-Shield" or approved equal with a four (4) hour fire rating

END OF SECTION 04 50 00